DVI KVM HDBaseT Extender
USER MANUAL
LM-HT201DKM

1. Description

The DVI KVM extender provides extension of DVI signals long distances over a single CAT6 cable, it supports high resolution up to 4K*2K, RS232 and KVM signal transmission function. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

2. Features

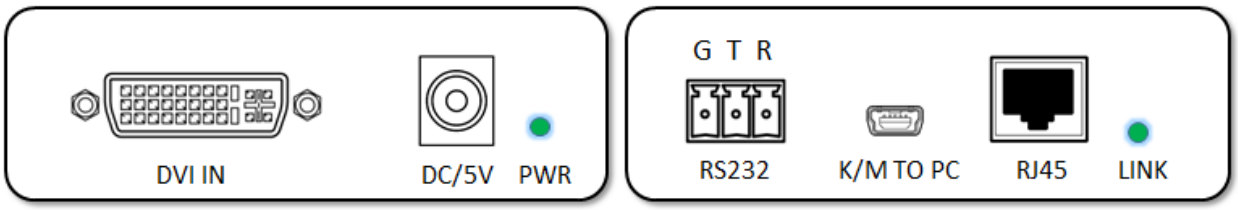
1. Transmits DVI video signals up to 100m over a single CAT6 cable
2. Support video resolution up to 1920*1080P@60Hz and 4K*2K
3. Support HDBaseT technology
4. Support KVM, keyboard and mouse signal transmission
5. Support RS232 signal bi-directional transmission, baud rate self-adaptive
6. Compliance with DVI 1.0 and HDCP 1.2 standard
7. High compatibility, can auto-match source and display device
8. Built-in automatic adjustment system, make the image smooth, clear and stable
9. Built-in ESD protection system
10. Simple to install, plug and play

3. Specifications

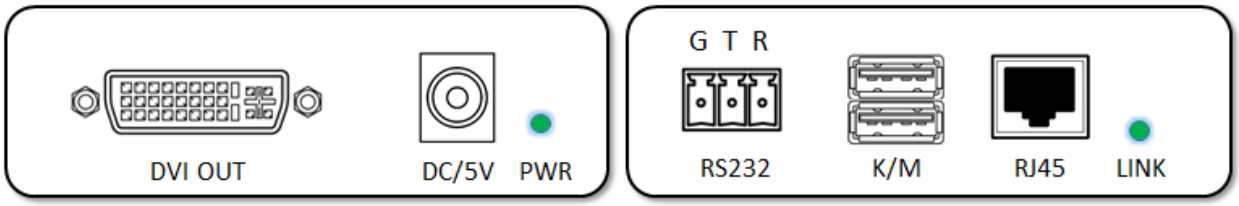
Parameter		Description
Video	Standards	DVI 1.0; HDCP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	10.2Gbps
	Resolution	1920X1080P@60Hz, 4K*2K
	Connector	DVI-D
	Impedance	100Ω
RS232	Interface	Industrial terminal
	Signal direction	Bi-directional
	Baud rate	Self-adaptive, Max: 115200bps
	Data bits	8
KVM	Interface	PC: MINI-USB Keyboard and mouse: USB-A
Ethernet	Interface	RJ45
	Transmission distance	1080P: CAT6---100m 4K*2K: CAT6---70m
Other	Power supply	The power adapter: DC 5V/2A
	Power dissipation	MAX 6W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	105*76*27mm
	The warranty	1 year free warranty

4. Panel

Transmitter:



Receiver:



Port name	**Description**
DVI IN/OUT	DVI signal input/output
RJ45	Ethernet interface
RS232	Serial port(G: Ground, T: transmit, R: receive)
K/M TO PC	Connect to PC
K/M	Connect to keyboard and mouse
LED indicator	**Description**
LINK	Video signal connection indicator
POWER	System power indicator

5. Package list

1. 1pcs DVI transmitter
2. 1pcs DVI receiver
3. 2pcs Power adapter
4. 1pcs User manual
5. 1pcs MINI USB cable

6. Installation

1. Connect the provided DC/5V power supplies to the power socket of the transmitter and the receiver,
2. Connect an DVI cable between the DVI input port of transmitter and the DVI output port of the video source,
3. Connect the DVI output port of receiver to the display device with DVI cable,
4. Connect the transmitter RJ45 port to the receiver RJ45 port using a single CAT6 cable.

7. Diagram